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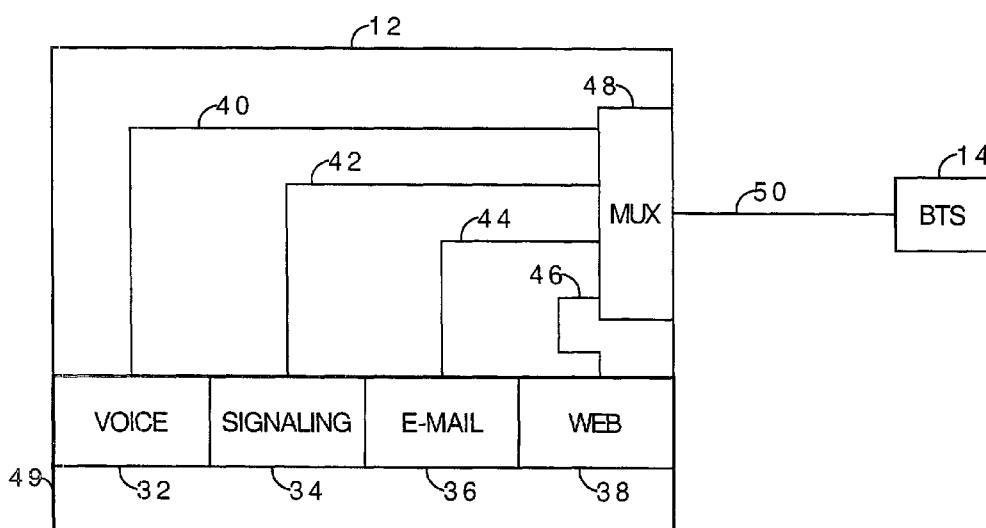
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(54) Title: METHOD AND APPARATUS FOR ALLOCATING DATA STREAMS GIVEN TRANSMISSION TIME INTERVAL (TTI) CONSTRAINTS



(57) Abstract: A method and system that enables multiplexing a plurality of data streams onto one data stream based on data stream priorities, available transport format combinations (TFCs), and transmission time interval (TTI) constraints of transport frames within the TFCs is disclosed. A subscriber unit (12) has applications that produce separate data streams. Example applications include voice (32), signalling (34), E-mail (36) and web applications (38). The data streams are combined by a multiplexer module (48) into one data stream called the transport stream (50). The transport stream (50) is sent over the reverse link to base station transceivers (BTS) (14). The multiplexer module (48) multiplexes the data streams onto a single stream according to available TFCs, TTI constraints, and data stream priorities.



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